

DIVISION OF FORESTRY NEWS LETTER

STATE DEPT of NATURAL RESOURCES

SACRAMENTO, CALIFORNIA

VOL. 7, NO. 10

W. H. FAIRBANK - EDITOR

OCTOBER, 1947

BOARD RECEIVES REPORT ON FOREST PRACTICE RULES AT OCTOBER MEETING

The California State Board of Forestry meeting in Sacramento on October 16 and 17 heard comprehensive reports on the progress of Forest Practice Rule administration in the South and North Sierra Pine Forest Districts and in the Coast Range pine and fir district. Deputy Metcalf, aided by Technician Schlöbhorn summarized the activities of field personnel in District IV and gave a general impression of how timber land owners and operators were reacting to the Forest Practice Rules. In the absence of Deputy Dunow, Technician Meyers analyzed the current problems in the North and South Sierra Pine Districts and Deputy Callahan discussed current activities of Forest Practice Rule administration in the North Sierra and Coast Range Pine and Fir Districts. It was the consensus of the three Districts that large operators were responding to the Rules but in a few cases the small operators were inclined to circumvent or disregard the Rules.

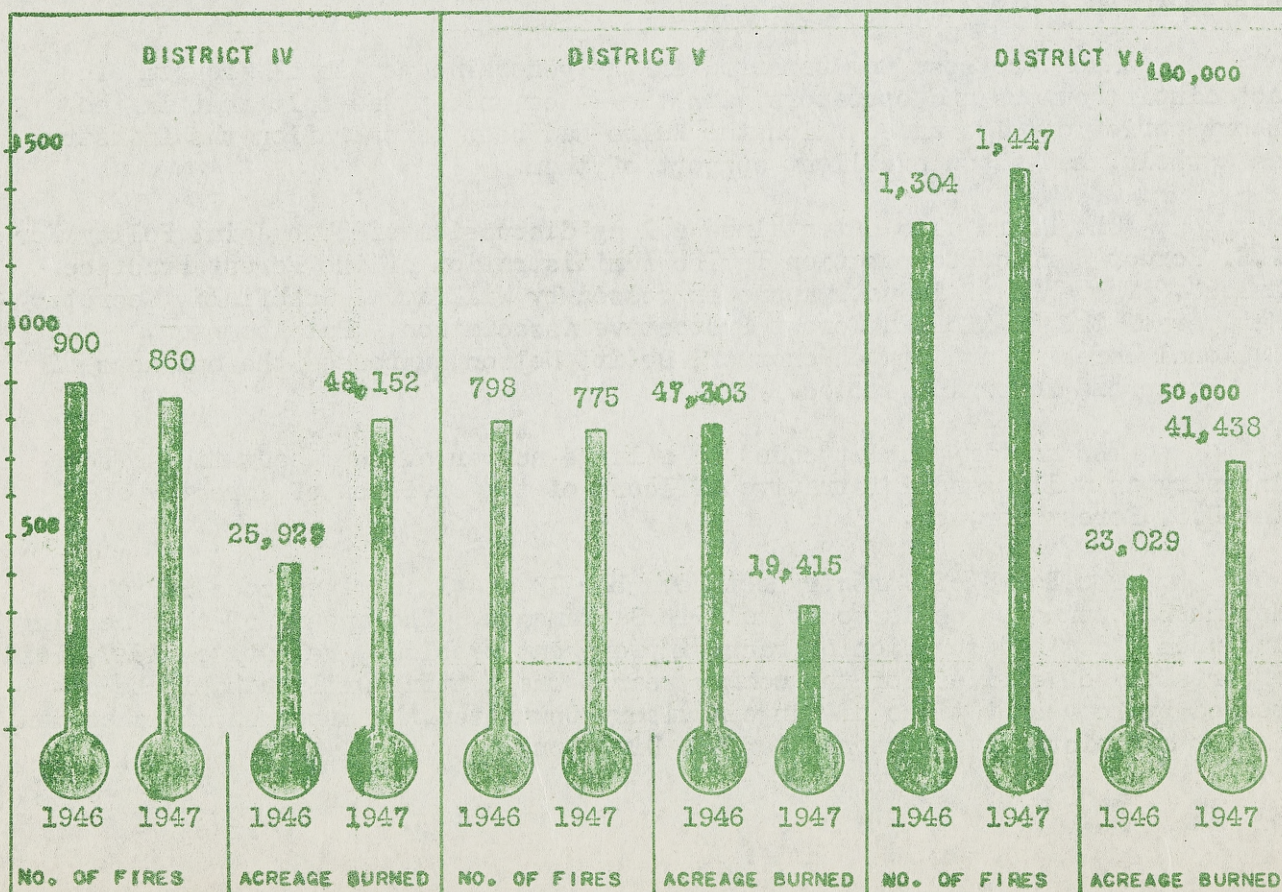
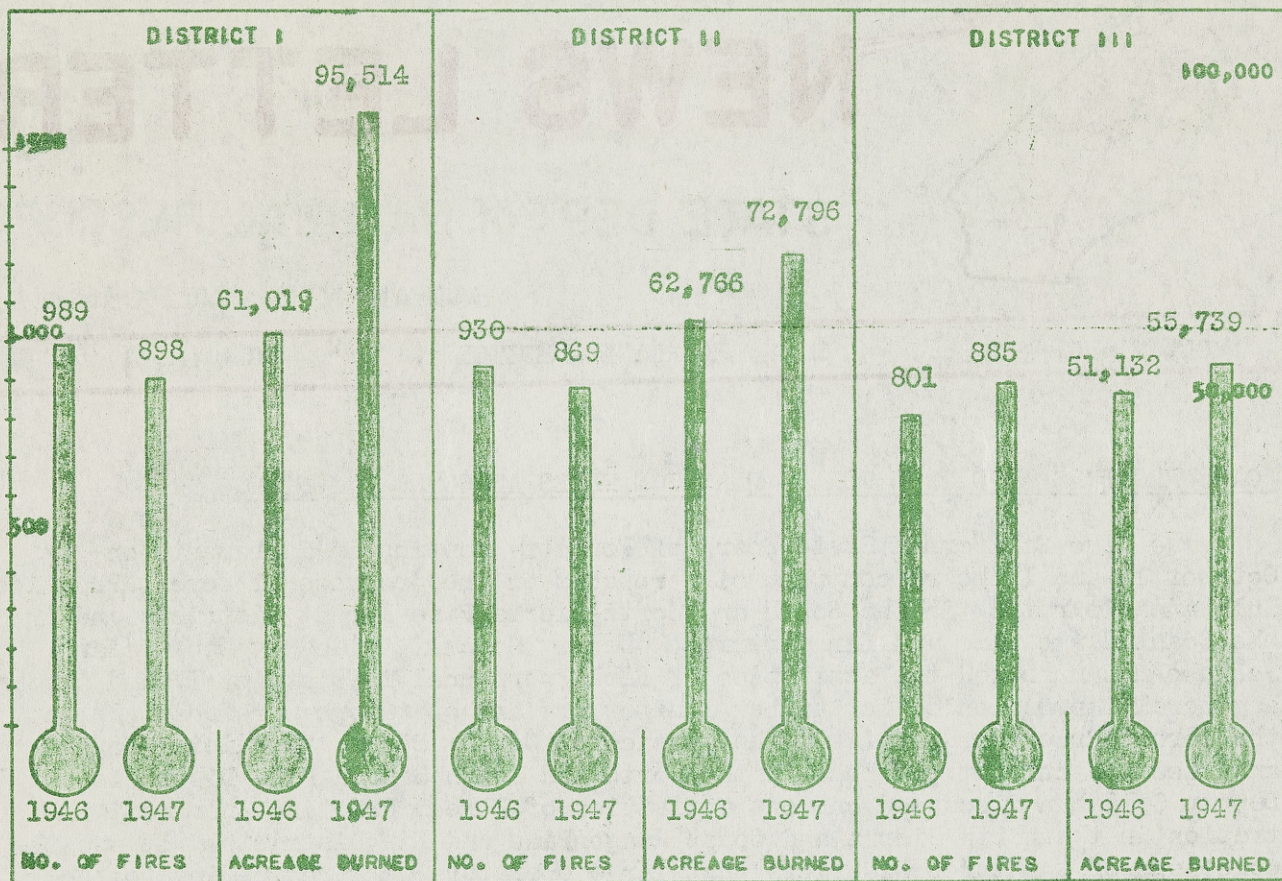
Much progress was reported in the general educational program of acquainting owners and operators with the Rules and it was felt that in the short period of time under which the Rules had been in operation the industry, as a whole, had shown excellent support of them.

The Board also entertained a long discussion of "The Joint Policy For U.S. Forest Service Cooperation In The Administration of the Forest Practice Rules". Thoughts of industry were expressed by William R. Schofield, Secretary-Manager of the California Forest Protective Association. Pat Thompson, Regional Forester and State Forester, DeWitt Nelson expressed the opinions of the State and Federal Agencies.

The meeting was attended by a large number of representatives from industry as well as administrative officers of the Division of Forestry and the U.S. Forest Service.

The Board of Forestry set November 13 and 14 as the dates for the November meeting which is to be held in Sacramento. The agenda of that meeting includes a day's discussion of range improvement problems, reports of 1947 field efforts and objectives for the coming year. The meeting will probably be attended by representatives of Range Advisory Committee, by stockmen and sheepmen, and by administrative personnel of the Division.

COMPARATIVE RECORD 1946-1947 - FIRE OCCURRENCE ACREAGE BURNED
 FOREST AND RANGE FIRES - JANUARY 1 THROUGH OCTOBER 31
 -STATE AND COUNTY RESPONSIBILITY AREAS-



FEDERALLY OWNED MENDOCINO WOODLAND RECREATIONAL AREA TRANSFERRED TO STATE

State Director of Natural Resources, General Warren T. Hannum, was advised in September by the National Park Service that Presidential approval had been given the quit claim transfer of the federally-owned Mendocino Woodland Recreational Demonstration area in Mendocino County to the State of California. It was indicated that deeds for the 5426 acres of forest land, including buildings, equipment and other improvements would be delivered to the State at the earliest practicable date. The recreational area is to be administered by the Division of Forestry.

The area which lies about three miles east of the town of Mendocino on State Highway #1 in western Mendocino County was developed during the late 1930's and early 1940's by the U.S. Department of Interior National Park Service as a group recreational and demonstrational area. Under the administration of the National Park Service several organized camps were developed. Boys and girls belonging to the groups, such as the Columbia Park Boys' Club and YWCA have enjoyed vacations and taken part in youth building programs while using the recreational area.

By an Act of Congress in June, 1942, the U.S. Department of Interior was authorized to quit claim deed this and similar recreational areas in the U.S. without cost to the individual States. The California State Board of Forestry late in 1946 undertook a study to determine the advisability of obtaining a transfer of the area to state-ownership to be administered through the State Division of Forestry. As the 5426 acres of forest land contained in the unit is contiguous to the newly acquired Jackson State Forest, formerly owned by the Caspar Lumber Company, the State Board considered the entire unit satisfactorily located to become an integral part of the new State Forest. State Director of Finance, James S. Dean, concurred in the Board's recommendation to obtain the area as did the Attorney General's Office. The Department of Natural Resources consummated negotiations for the property on September 20, 1947, with the President's approval of transfer from Federal to State ownership without cost to the State.

DICK RAFFERTY APPOINTED CHAIRMAN OF AMERICAN LEGION FIRE PREVENTION AND CONSERVATION COMMISSION

It was learned this month that Dick Rafferty, Investigator in District IV, has been appointed Chairman of the American Legion Fire Prevention and Conservation Commission. Our congratulations to Dick on this appointment and for the opportunity it will give him to carry a State-wide fire prevention and conservation program to the American Legion organization.

The Legion is an influential, as well as an action organization, and with Dick to spear head a program there is every indication that Posts throughout California will be taking a more active interest in the State-wide fire prevention program as well as in other conservation matters. Dick has been very active during the past two years in Legion work and as President of a Fresno Post organized many worthwhile programs in that city and in the surrounding communities.

1948 FIRE PREVENTION EDUCATIONAL PLANS TO BE DISCUSSED AT STATE-WIDE MEETING IN SAN FRANCISCO

The 1948 program of the California Fire Prevention Committee for reducing forest, range, and watershed fires will be discussed at a meeting of the group in San Francisco on November 18. State Forester, DeWitt Nelson, Chairman of the Committee announced that invitations to the meeting had been dispatched and that the Committee was hopeful for a very large attendance. Mr. Nelson indicated that all major oil, utility, and transportation companies had been invited in an effort to ascertain what part each could play in the 1948 program. Mr. Nelson said the activities of the Committee had been many this summer season, and when added to the hazard reduction, inspection, and personnel contact work of the State Division of Forestry, U.S. Forest Service, and County Protection Agencies' field men, the results had undoubtedly had a material effect on fire losses during a great critical fire season. The Chairman indicated that the plans of the Committee had now crystalized in what is felt will give the campaign the necessary overhead for contact and coordination that was seriously lacking in 1947. By formulating the action program early in the year the Committee, as a whole, feels that there will be much greater cooperation in the State, a greater degree of coordination, and an opportunity to fill in gaps that existed in the 1947 educational campaign.

RANGE IMPROVEMENT DEMONSTRATION PLOTS ESTABLISHED THIS MONTH

As a part of the range improvement program demonstrational reseeding plots were this month established by field personnel in three localities. Eight quarter acre plots were seeded in Calaveras County on the site of the 10,000 acre Vallecito fire. In Tulare County two quarter acre plots were seeded on a site that was burned this summer directly behind the Badger Suppression Crew Station and four quarter acre plots were seeded in the vicinity of the Blue Ridge. In each case four different mixtures of grasses were used in an effort to determine the most suitable species to be used in range reseeding in these areas.

The Division also initiated an agreement with a resident of Calaveras County to use 500 acres of burned over land as a demonstrational unit in revegetation. The Division intends to seed this area by plane during the first part of November.

EXPENDITURES FOR FIRE SUPPRESSION VEHICLES APPROVED BY DEPARTMENT OF FINANCE

Expenditures for new fire and crew trucks were approved this month by the Department of Finance and purchase estimates have been written by the Operations Section covering 26 fire trucks and 61 crew trucks. The Department of Finance also, this month, recognized the operating problem of the Division created by price advances of various commodities and allocated to the Division an additional sum of \$53,152 to meet these increases.

NAVY AND MARINE CORPS RECEIVE DEPARTMENT'S APPRECIATION FOR FIRE SUPPRESSION EFFORTS

General Hannum wrote the following letter to Rear Admiral Oscar Badger of the 11th Naval District, San Diego:

It is with deep appreciation that I commend the Navy and Marine Corps for their outstanding cooperation in helping us control forest fires in San Diego County during this last fire season. Although we may still experience a serious fire condition due to the possibility of heavy winds late in the fall, we may generally expect the 1947 fire season to be drawing to a close.

I have been informed that through your able assistance and personal recognition of the destructive power of forest fires, the Navy and the Marine Corps under your command were made available to assist in the control of several serious fires during the past fire season. I have also been informed that the assistance rendered by your officers and men was invaluable.

The State of California is indeed indebted to the Navy and the Marine Corps for helping her meet those emergencies.

ABOUT THE DIVISION

DISTRICT III ROADSIDE EXAMINATION INDICATES SEVERITY OF SMOKER PROBLEM

"On September 27, 1947, a quasi-technical field examination was made in Placer County by representatives of the District Office and Placer County personnel. This study consisted of pacing off a hundred yard strip along Highway 40, between Weimar and Colfax, and counting cigarette butts which had been discarded from passing automobiles.

It was somewhat astounding to find that in the one-hundred yard strip there were found seventy-nine cigarette butts and one cigar butt. By coincidence, at the terminus of the one-hundred yard plot someone had dumped an ash tray containing some twenty to twenty-five butts. These were not counted in the seventy-nine. Also, it was noticed that very few of the butts showed signs of having been "stubbed" out before being discarded. The bulk of them were found along the gravel shoulder of the road but approximately 10% to 15% had landed in the short dry grass bordering the shoulder. It is a fair assumption that these butts have been discarded within the last month as they did not show signs of much weathering. We are not at all sure as to what this proves but it is an indication that many of the road-side fires which have been laid to smokers probably were caused by hot carbon particles emitted from car exhausts, inasmuch as we have not had any roadside fires in this particular area. Since this area was picked quite at random and since an actual count discloses an average of one cigarette butt almost every yard, it would appear that there is a great deal left to do in the way of educating the traveling public."

Emery Sloat
State Forest Ranger

THIS AND THAT FROM DISTRICT IV

The entire District is saddened by the untimely passing of Carrie Barger, our District Painter, on October 4th.

Barger, known affectionately as "Pop", aside from being our Painter

was an artist with a deep personal interest in our fire prevention program and took an active part in the preparation of exhibits and prevention signs throughout the District. It was "Pop" Barger who made it possible for us to present the series of 4 x 8 prevention billboards throughout the District featuring Smoky the fire prevention bear.

C. E. Metcalf
Deputy State Forester

Judge Harry Britton of Exeter, California, demonstrated that his court will not look too kindly upon persons found guilty of violations of the State Fire Laws in his court by assessing a total of fines of \$1400 against four hunters who refused to fight fire. It all started on September 15 when Ranger Pennington of Tulare County requested the aid of a group of hunters to aid in the Suppressing of the Blue Ridge fire of that date. When the men failed to report for duty they were cited to appear before Judge Britton by Assistant Ranger N. O. Stephens and upon their appearance entered a plea of not guilty and demanded a jury trial. On October 21 they changed their plea to guilty and were fined \$350 each, none of which was suspended. Their excuse for not fighting fire was that they preferred to hunt deer, a choice that proved rather costly.

C. E. Metcalf
Deputy State Forester

The mechanical age has at last invaded those most awe inspiring and sometimes dreaded personal interviews apparently so necessary in the selection of State employees. Chief Deputy Clar, upon his arrival in Fresno recently for the purpose of holding interviews, proudly exhibited a device complete with microphones, etc., for the purpose of recording each gasp, moan, or utterance of an applicant and/or those enjoying the party. We can well expect in the not too far future to have an applicant seated in some sort of a machine and upon throwing a switch have him come out card indexed and classified to the metallic accompaniment of whirring motors and grinding gears!!!

J. D. Rafferty
Investigator

It is most gratifying to report no fires during the hunting season. We are indeed very fortunate as a great number of hunters turned out.

The past several days have been spent at the Tulare Fairgrounds preparing a Forestry Booth for the Tulare-Kings Fair, which begins September 16 and ends the night of September 21.

This week the county planning commissioners approved the plan and construction for a headquarters station to be located on the out-skirts of Hanford.

C. E. Lindley
Associate State Forest Ranger

We are wondering if that certain Ranger from that Southern Coastal County in District V ever got the deer he was seeking? We are only positive he didn't get the map we hung on our office door at 5 a.m. at his request recently. Who knows, maybe the guy is still lost!

Due to heavy rains all CDF fire camps, with the exception of those in Tulare County and Western Fresno County, have been closed. Heavy rains, followed by a light snow and the resulting difficulty in servicing the CYA Camp at Mountain Home, necessitated the groups' transfer to Mariposa County where they will be engaged in winter projects.

In the District IV office a "Who Dun It" atmosphere prevailed for a period of about ten days last month. The Mechanic was positive the Deputy had removed a 25 foot trouble lamp from the Mechanic's truck and the Deputy was positive he had given it to a Ranger and the Ranger was positive he hadn't. So the Deputy, with all the finality of one who enjoyed a sustained diet of ground chain, ordered the Investigator to solve the case of the missing lamp- and now! And so being an accommodating Investigator, he stepped out to his car and brought the lamp in.... Now, as Deputies can do no wrong, the problem is how did that Deputy ever figure he had had the lamp.

J. D. Rafferty
Investigator

Following is an excerpt from the Kings County Bulletin published by that County's Chamber of Commerce:

"Curtis E. Lindly, Associate State Forester Ranger for Kings County, has done an outstanding job since coming to Kings County in 1946 in organizing the rural area fire department. Two new fire stations have been built and two more are under consideration. There are at present 16 pieces of fire equipment in the county, six new pieces of equipment have been added in 1946-47.

"According to Associate Ranger Lindley the summer fire hazard has been greatly reduced due to harvesting field crops and the change in climatic conditions. However, do not relax in your precaution and preventative steps because the chances of fire is ever present.

"As winter approaches the high point of fire is in structural and industrial plants. Fire for home use is kept at a minimum during the summer period. Now is the time for you to do some checking to prevent fire around your HOME, BARN, and industrial plants. That old saying, "a stitch in time will save nine", is a good safety rule any time. A little checking TODAY FOR FIRE HAZARDS may save your HOME, BARN, and other property that you have worked so hard to acquire.

"Following are a few safety measures recommended by Associate State Forest Ranger Curtis E. Lindley....."

The article goes on and outlines several precautionary measures that Lindley feels should be taken in the reduction of fires.

Good work, Curt, the California Division of Forestry in Kings County has an enviable record built on "Service".

C. E. Metcalf
Deputy State Forester

TRACTOR TRAINING AND MAINTENANCE PROGRAM

In District IV we are now starting a tractor training program to better acquaint the tractor drivers with units they operate. We are dismantling each tractor at the County Headquarters. District Mechanics Springer and Ramsden are doing the work with the assistance of tractor drivers. Complete check of all track rollers, valves, bearings and all worn parts are removed by operators to be repaired at the Allis Chalmers Shop. Replacement is made of all final drive to track rail assembly bolts, some of which are found partially sheared off; overhaul and adjustment of fan and radiator shutters. We feel that aside from putting our equipment in the best of condition our program will pay dividends in better trained operators.

H. G. Ramsden
Auto Mechanic

This is the season when Reports of Performance are the topic of conversation. The State of California has and is employing the best technicians in the country to arrive at the fairest valuation of our employees' ability and performance and, perhaps like in many cases, the answer is so apparent we overlook it. It might be well to heed a lesson learned by the U.S. Army during the war. When it became apparent that men would have to be sent to extreme climates all over the world the best of our medical and scientific authorities were assembled for the purpose of developing a series of tests to determine which men were the most adaptable to extreme cold or heat. All of the experiments met with either failure or mediocre success until one young psychiatrist developed a very simple test which was extremely successful; and that was to merely ask the man which he preferred--hot or cold weather and assign him accordingly. Now, if each employee were given his Report of Performance and asked to fill it out based on his own opinion and knowledge of his work, I am sure with a few changes by a reviewing board we would have a fair valuation of the employee and very few super men. It would be interesting to see the results should any one Department experiment with the above system.

J. D. Rafferty
Investigator

LEGION ADDS TO RECREATIONAL PLEASURES OF FRESNO COUNTY HEADQUARTERS

Recently, through the local Legion Post, the fire crew at Fresno Headquarters received a very fine Westinghouse radio which has been giving the Fresno Headquarters crew many pleasant hours during their stand-by hours. Last year the same Legion Post gave the crew a pool table which has been recently recovered from the profits of a Coca-Cola machine, fines levied for jumping the table, etc. We believe that by having this type of recreation it has helped to keep the crew satisfied and has given them something to occupy their time during the off hours.

A. Roy Bengard
State Forest Ranger

Though Fire Control in Kings County with the CDF is comparatively new, the people are fast becoming aware of the dangers of fire. For instance, this past month several schools have requested the Division of Forestry to inspect their extinguishers and recommend the type best suited to their need. The public is becoming educated to the necessity of fire permits during fire season; also, the grain growers, down in the lake area have shown their appreciation of fire control this season. We would like to give the ranchers on the west side of the county in Zone 2 a big hand as they have been most cooperative in fire prevention this season. "NO STARTS - NO FIRES - NO DAMAGE". In other words, we are very much pleased with the interest and fine cooperation we are receiving in Kings County. Also, the County having an agreement with the State Division of Forestry seems to lend the whole project more prestige.

We are at last starting construction on new buildings at our Hanford Headquarters.

C. E. Lindley
Associate State Forest Ranger

FAIR MANAGER COMPLIMENTS DIVISION EXHIBIT AT MADERA COUNTY FAIR

Mr. J. T. O'Shaughnessy, Secretary-Manager, Madera District Fair wrote the following letter to Arthur Moberg, State Forest Ranger at Madera:

"The Board of Directors of the Madera District Fair wish to express their appreciation for the excellent display your organization constructed on the fair grounds.

It will please you to learn that many people voiced the opinion that the California Forestry exhibit was the finest on the fair grounds.

The Board also wishes to thank Mr. Clayton Hickie, Assistant State Forest Ranger, and the men who assisted him during the fair for the courtesy extended the fair officials and the patrons of the 1947 Madera District Fair!"

CASES AND NEWS FROM DISTRICT V

THE CASE OF THE FRISKY COW

Now we have heard everything. A recent fire investigation report from one of District 5 Counties listed person responsibility for fire as a "cow". It seems that members of the Cal. Poly. School at San Luis Obispo were heating tar over an open fire when along came a descendant of Mrs. O'Leary's cow and kicked over the tar pot, burning $\frac{1}{4}$ acre of grassland. It has not been decided by the new Assistant Deputy as to what action shall be used, criminal or civil.

THE CASE OF THE GENEROUS FIRE BUG

A recent report emanating from San Luis Obispo gives the following story:

"On October 4, 1947, a gentleman by the name of Charles Ellsworth Perkins arrived at the fair city of Paso Robles by automobile from Southern California. He registered at a local motel and after taking three baths and filling a metal waste paper basket with water, he checked out and rented a room in a hotel. At a local restaurant where he ate, he gave the waitress a \$37.62 tip.

Mr. Perkins then decided to inspect the local poultry flocks and visited a small ranch near town where he talked to the lady owner, and was so pleased with this ranch that he promptly burned down a small house. Continuing into town, three fires were set in the river bottom before Mr. Perkins was escorted to the local booby hatch.

On reviewing Mr. Perkins' criminal investigation bureau record, we were amazed, for since 1930 the gentleman has been in and out of jail for drunkenness, insanity, and setting fires. His record is as follows: F.B.I. and C.I.I.B.

P.D. Paso Robles, California	Penal Code 447A
P.D. Oakland, California, July, 1930	Suspicion insanity
P.D. Richmond, California, April, 1937	Violation 502 vehicle fine, \$50 6 mos. county jail. Complaint withheld no disposition
State Hospital, Stockton, 1939	Escapee Stockton Hospital
Sheriff, Fresno, May, 1942	Checks, no disposition
P.D. Oakland, May, 1942	Drunk
Sheriff, Alameda, June, 1942	451A Penal Code Fire—found sane, 2 years probation, served probation, released. Case dismissed. Also released from penalties and disabilities resulting from confinement. Setting fire, Not wanted
Sheriff, Reno, Nevada	451A Penal Code \$75 restitution at \$4.25 a month.
Alameda County June 27, 1942	

Looks like Mr. Perkins has not heard about "Smokey". Last heard of, Mr. Perkins was planning on marrying the waitress he had tipped. No doubt, from his past record, Mr. Perkins will be out soon. Should you see a gentleman touring in your district driving a 1939 Chevrolet Sedan, bearing California license 32-F-583, year of 1947, better get your fire trucks gassed up and ready to go.

The writer recently received a clipping from the Sacramento Union extolling the value of fish heads and mellow seeds as a diet. The clipping states that this has just been discovered by Dr. Pottenger. In this I do not agree, for since the writer has been on a declining pay scale, the above has been his chief diet. I heartily recommend sweet pea seeds as a desert.

Several days ago, a letter came to the District office from one of our rangers complaining that he had received a Dodge Power Wagon but there was no "wrench" on it. The ranger further stated that he intended to use the "Wench" in telephone construction this winter where a "wrench" would be very desirable.

Anyone knowing a wench that has telephone construction experience, please notify District 5 at once.

Mace Pewtherer
Investigator

SILENT VI SPEAKS FROM ORANGE COUNTY

The News Letter of the Division of Forestry published each month contains very many interesting articles and is worthy of a little contribution now and then. While Orange County has not done its part, we have sent in a few dispatches in the past. We fully intended to get something in, however, we did miss the months of August and September. I had this little article ready for September, but as I failed to mail it, I assume that I am a dollar short and a month behind. However, all of you will readily agree that District VI did have a very good article with the emphasis on Southern California in the August issue which was written by our District Deputy Jim Mace. It took me quite awhile to figure out how he wrote such a wonderful article about Southern California, and to you folks that don't know, I will tip you off. I found out that just prior to his write-up, he had attended some of the big Los Angeles Chamber of Commerce meetings and you all know what they have to say about Southern California. Anyway he sure wrote a wonderful story as all of you Northern people saw and believed? You know, I would also like to say something about District VI, Southern California, but you know it might start an argument and, folks, its no use to argue as that only widens the space of difference in opinion; so you might as well believe in what was said.

The item about Orange County having seven 6 x 6's and no fires! To a person from Orange County, this article needs interpretation as some might think that we dug holes six foot square and six foot deep, you know like a grave, and buried all of our fires. I wasn't going to say anything about these 6 x 6's, but since our Deputy did, well to me it's kind of like getting low on funds and you buy something anyway. Then a few months later you get one of those window envelopes in the mail--the kind that says, "Please Remit". Now that isn't right so I will try to tell you more about them in a modest way. The seven 6 x 6's are large fire trucks which carry 700 gallons of water, and are equipped with Chrysler-Hale pumping units together with a small 80 GPM high pressure pump and all that goes with it. They are in reality ten wheelers, driving on all ten wheels--dual axles in the rear with front wheels pulling too. They are about ten ton jobs. The County secured these trucks primarily for structural protection in small communities, but they certainly do a job in our mountainous area also.

We also have three 2½ Ton 4 x 4's. These are Internationals, single axle jobs in the rear, known as a four-wheel drive, short coupled, carry about 500 gallons of water and equipped with 800 pound Bean high-pressure pumps. We have found them very good also, for any and all types of fires. We also have three 1 ton 4 x 4's which carry 100 gallons of water each, with small 80 GPM gear pump, along the order of the Dodge Power Wagon. We also have a couple of jeeps, one Military and one Civilian. They are very good for their size; and I believe, the new civilian jeep is the best.

Naturally, these trucks cannot stand out in the sun and rain; therefore we are building seven new County fire stations in rural Orange County out of adobe brick with tile roofs, to house such trucks with a meeting room, kitchen, dormitory, etcetera. The buildings are 35 feet wide and 70 feet long. We certainly think they are wonderful buildings. To properly man all the County fire trucks in Zone 3 area within the County, which number approximately forty pieces of equipment, would appear to present quite a problem; however in the past years, we have organized fifteen rural volunteer fire departments. They are of the best and uppermost citizens of each community and do a wonderful job on structural and other fires in the valley area and are always available to assist us on fires in the mountainous areas.

In Orange County, we also have a rescue truck equipped with resuscitator-inhalator-aspirator, self-contained breathing apparatus, hose mask, first aid kit containing heat pads for shock treatment, splints and units of plasma, stretchers, safety belts with rope attached for use in raising or lowering injured, battering ram and wallcutter, CO2 extinguishers, high voltage gloves and wire cutters, 72 cubic foot tank of carbogen and medical gas, 2000 watt portable generator with 500 watt portable lights, back pack emergency acetylene cutting torches, with extra tanks, complete set of flame-proofed turnout clothes, firemen's axes and crowbars, plus many other miscellaneous items such as flashlights, road flares, etc. This truck is also equipped with a sixty gallon booster tank and 150 foot of rubber hose, with $1\frac{1}{2}$ " gear pump, to provide protection when cutting torches are being used. Our rescue work in this community in the past years, has saved many lives.

We recently received a Dodge Power Wagon, the same kind that was mentioned in the August News Letter as being in Fresno County with the remark that it "climbs like a goat". That's right, our's does too. We had it in the river bottom, where some of those tall Southern California trees grow, like willows, oaks, sycamores, cottonwoods, etc. and a lot of dry underbrush. In this case we found the 30 foot high flames too much for the small six gallon per minute pump and had to let a couple of those 6 x 6's in with the large streams to suppress the fire.

It is my hope that readers of this article at first thought will not get all excited as I am by no means criticizing this high pressure Bean 'rig on the Dodge Power Wagon. It is wonderful and does a good job in my estimation on light brush and grass fires, but since we have a News Letter whereby we can exchange thoughts, it would appear that an expression from others using this unit on similar fires would be valuable. What have been some of the experiences in other counties throughout the State with this 3-6 GPM high pressure unit?

Jim Mace had some very good points in his August dispatch, especially that one about fire prevention and cutting down the number of fires, like a good felling crew gets a lot of logs down for the buckers and loggers. But, I hope he won't ask me to help explain to the State Forester about the increase in fires. Several years ago I heard something about fire prevention, Oh, way back in the nineteen twenties, and in those days all Forestry agencies yelled for "Help", you know. "Help, Prevent Fires". It did a lot of good

at the time, but sometimes they say we should change methods. I have been thinking about this a long time and have almost come to the conclusion that perhaps we should change the word from "Help" to "Forget". In other words train the careless people to "Forget to be Careless". I mean to teach and train them to put their cigarettes, etc. in ash trays within their car; then they would "forget" to throw it out the window. Teach and train them to burn their trash in an incinerator in a safe place; then they would "forget" to burn in the dangerous places. Another way that we had some of our people apply the "forget" method where we had six to eight fires a day in certain communities was to use the law enforcement method and run a bunch into court. We noted in a hurry that these communities in question "forgot to be careless" and there has been very few fires since. We really have done a great deal of fire prevention work in this area with our people throughout cooperating to the utmost and have had only about a half dozen fires start within our Zone 1 area this year which were readily suppressed. Naturally, we feel that this is a record and we do have very fire conscious people as a whole.

J. A. Scherman
State Forest Ranger

SAN BERNARDINO COUNTY - AIRPLANE CHEMICAL SPRAYING EXPERIMENT IN DISTRICT VI

We are a little late in getting this information to you for the Division's News Letter, but at the time this experiment took place, we were pretty busy on fires; however, we are throwing this on for what it is worth.

During the month of August, the Royal Air Service, a firm located at the Ontario Municipal Airport contacted Chief Moyer of the Ontario Fire Department regards cooperation in carrying out a watershed fire control problem using aircraft.

Through Acting Chief Chambers of the Upland Fire Department a suitable plot of brush covered land was located within the Upland City limits, and arrangements were made to conduct the experiment on 13 August 1947.

Standby-security measures taken by the municipal Fire Chief and State Ranger Skinner; were two (2) patrol pumpers from the city departments and two (2) pumpers furnished by the State Forestry. Also in attendance were observers from the Los Angeles County Fire Warden's Office and the Angeles National Forest.

The aircraft used in this experiment was of the crop-dusting type owned by Mr. P. J. Murray, Airplane Dusting & Spraying Company, 701 C Street, Oxnard, California.

Chemical content of the liquid used in this experiment is unknown to the fire department personnel present; and even though the airplane made several direct and indirect sweeps over the area there was no noticeable effect on the fire which was approximately one (1) acre in size.

Prevailing weather conditions were as follows:

Temp.: 88
Hum. : 18
Wind SW/8
Fuel Mois. 5.5

W. W. Skinner
State Forest Ranger

FORESTRY AT HOME AND ABROAD

Ralph L. Smith Lumber Company of Kansas City, Mo., purchased the Deschutes Lumber Company mill at Anderson and 12,000 acres of that company's pine land, plus 39,290 acres from the Red River Lumber Company and cutting rights on 15,687 acres from T. S. and Brooks Walker. All this land supports close to 1-1/3 billion feet. This exchange is of particular interest because the properties involved are adjacent to the Latour State Forest.

WESTERN PINE TREE FARM PROGRAM ADDS MUCH NEW ACREAGE

With the recent addition of thirteen new western pine ^{tree}/farms the tree growing movement sponsored by the Western Pine Association has been expanded to include six states with 125 units and 2,518,264 acres.

Forestry Digest
October, 1947

NON-SWELLING WOOD DEVELOPED BY CHEMISTS

The Forest Products Laboratory at Madison, Wisconsin, has announced that a nonswelling wood has been produced by the department's chemists. According to the new method, wood is placed in a "steam bath," the steam being a vapor of pyradine, a coal-tar derivative, and of an acid closely related to that in vinegar. This vapor permeates the cells of the wood, swelling it. But this swelling is permanent. There is no return to the wood's original dimensions.

Forestry Digest
October, 1947

ANOTHER ADVANCE IN WASTE UTILIZATION

Another advance in the utilization of lumber milling wastes was made recently when the Central Point Fuel Company began operation of a portable shaving baler at the Cheney Oregon Lumber Company studding mill at Central Point, Oregon.

Lary Neely, fuel firm proprietor, purchased the equipment from Wally Robinson, Eugene, designer. The machine, which weighs over a ton, presses bales varying from 75 to 100 pounds. Up to 200 bales of fir shavings per day can be produced.

Said to be less costly than straw, the shavings are sold for chicken

litter and bedding for dairy cattle and after such use may be employed for soil aerating and fertilizing. According to Neely, special advantages of the shavings are that they are absorbent and will not pack down.

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PONDEROSA PINE WASTE MAKES FINE HARDBOARD

The Oregon Forest Products Laboratory reports conversion of Ponderosa pine waste into a fine hardboard and hopes to perfect a commercially feasible process. The laboratory says the present process will work only on a larger scale than is possible in the eastern Oregon pine country. A million dollar investment and an output of 50 tons a day would be required. The laboratory hopes to develop a smaller scale process which could be used by eastern Oregon mills.

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FIRE LESSON MUST BE CLOSER TO THE INDIVIDUAL

Noting that the number of man-caused fires in Oregon has steadily increased since the close of the war; Charles E. Ogle Executive Secretary of the Keep Oregon Green Association, says that the only way to reduce the number of such fires is to "get the lesson closer to the individual, the people themselves, the traveling public." He thinks even Keep Oregon Green has a tendency to drift away from the individual. To illustrate, he said that in the early years of the program "we had volunteers out everywhere selling buttons, license plates and other things direct to individuals, and that tended to make those people fire-conscious. We got much of our modest funds in that manner. But it's easier to solicit what money we need from a few industries and individuals, and that has been the trend. The trouble is that by so doing, we lose contact with the individual, the fellow we are trying to educate against throwing lighted cigarettes. Of course we still have a lot of individuals contributing and interested, but we are not getting enough new ones to keep the program rolling right. We have got to get those new ones and keep on getting them without let-up. I believe through our county committees we can do it."

Ogle believes that substantially the same problem is faced in every forested state--that far too many people are careless with burning material but can be made less careless most readily by individual approach.